Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

HW#8H: Point, Line & Plane

Honors Geometry

Due Date: Friday, Sept. 19th

**Failure to show work on all problems or use complete sentences will result in a LaSalle.**

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| 1. Define “collinear” and ***sketch an example*** of collinear points. | 2. Define “coplanar” and ***sketch an example*** of coplanar points. |
| 3. What is the different between a ray and a line? | 4. Write the necessary notation above “AB” to demonstrate that (a.) is a line, (b.) is a line segment, and (c.) is a ray.  (a.) AB (b.) AB (c.) AB |
| 5. Use the diagram to decide whether the given statement is *true* or *false*.   1. Points E, G, and F are collinear. \_\_\_\_\_\_\_\_\_\_ 2. Points E, G, and F are coplanar. \_\_\_\_\_\_\_\_\_\_ 3. Points *H*, *I*, and *G* are collinear. \_\_\_\_\_\_\_\_\_\_ 4. Points *H*, *I*, and *J* are coplanar. \_\_\_\_\_\_\_\_\_\_ |  |
| Description: http://image.tutorvista.com/Qimages/QD/39197.gif  6. Name at least 3 sets of 3 points in the figure above that are collinear.   1. \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ 2. \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ 3. \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ | Description: http://image.tutorvista.com/Qimages/QD/50234.gif  7. Name at least 3 sets of 3 points in the figure above that are coplanar.   1. \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ 2. \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ 3. \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ |